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&lt;120&gt; PEPTIDE EXTENDED GLYCOSYLATED POLYPEPTIDES

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&lt;140&gt; US 09/896,896

&lt;141&gt; 2001-06-29

&lt;150&gt; US 60/217,497

&lt;151&gt; 2000-07-11

&lt;150&gt; US 60/225,558

&lt;151&gt; 2000-08-16

&lt;150&gt; DK PA 2000 01027

&lt;151&gt; 2000-06-30

&lt;150&gt; DK PA 2000 01092

&lt;151&gt; 2000-07-14

&lt;150&gt; PCT/DK00/00743

&lt;151&gt; 2000-12-29

&lt;150&gt; PCT/DK01/00090

&lt;151&gt; 2001-02-09

&lt;160&gt; 123

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 497

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

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MAY 20 2002

TECH CENTER 1600/2300

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<221> MOD\_RES  
<222> (13)  
<223> T or S

<400> 16  
Ala Ser Pro Ile Asn Ala Xaa Ser Pro Ile Asn Ala Xaa  
1 5 10

<210> 17  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<220>  
<221> MOD\_RES  
<222> (4)  
<223> T or S

<220>  
<221> MOD\_RES  
<222> (7)  
<223> T or S

<220>  
<221> MOD\_RES  
<222> (10)  
<223> T or S

<400> 17  
Ala Asn Asn Xaa Asn Tyr Xaa Asn Trp Xaa  
1 5 10

<210> 18  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<220>  
<221> MOD\_RES  
<222> (5)  
<223> T or S

<220>  
<221> MOD\_RES  
<222> (9)  
<223> T or S

<220>  
<221> MOD\_RES  
<222> (12)  
<223> T or S

<400> 18  
Ala Thr Asn Ile Xaa Leu Asn Tyr Xaa Ala Asn Xaa Thr  
1 5 10

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<210> 19
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (5)
<223> T or S

<220>
<221> MOD_RES
<222> (9)
<223> T or S

<220>
<221> MOD_RES
<222> (13)
<223> T or S

<400> 19
Ala Ala Asn Ser Xaa Gly Asn Ile Xaa Ile Asn Gly Xaa
  1           5           10

<210> 20
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (5)
<223> T or S

<220>
<221> MOD_RES
<222> (9)
<223> T or S

<220>
<221> MOD_RES
<222> (13)
<223> T or S

<400> 20
Ala Val Asn Trp Xaa Ser Asn Asp Xaa Ser Asn Ser Xaa
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1

5

10

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<210> 21
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (5)
<223> T or S

<220>
<221> MOD_RES
<222> (9)
<223> T or S

<220>
<221> MOD_RES
<222> (13)
<223> T or S

<400> 21
Ala Val Asn Trp Xaa Ser Asn Asp Xaa Ser Asn Ser Xaa
  1           5           10

<210> 22
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (4)
<223> T or S

<220>
<221> MOD_RES
<222> (7)
<223> T or S

<220>
<221> MOD_RES
<222> (10)
<223> T or S

<400> 22
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Ala Asn Asn Xaa Asn Tyr Xaa Asn Ser Xaa  
1 5 10

<210> 23  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 23  
Ala Asn Asn Thr Asn Tyr Thr Asn Trp Thr  
1 5 10

<210> 24  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Linker

<400> 24  
Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser  
1 5 10 15

<210> 25  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 25  
cgcagatctg atggctggca gcctcacagg attgc

35

<210> 26  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 26  
ccggaattcc catcaactggc gacgccacag gtaggtg

37

<210> 27  
<211> 35

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 27
acgcgagctc gcccctgcat ccctaaaagc ttcgg 35

<210> 28
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 28
gcgttgcgg cagtcagagt tgacagaagg gccagccagc aaaggatagt catg 54

<210> 29
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 29
ctagcatgac tattcctttgc tggctggccc ttctgtcaac tctgactgcc gtcaacgcag 60
ct 62

<210> 30
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 30
cctgctactg ctcccagcag cagtgaaaga gtccaaagtg gcagcatg 48

<210> 31
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 31
ctagcatgct gccactttgg actctttcac tgctgctggg agcagtagca ggagct 56

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<210> 32  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 32  
cagctggcca tgggtacccg g 21

<210> 33  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: N-terminal peptide addition

<400> 33  
Ala Asn Ile Thr  
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<210> 34  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: N-terminal peptide addition

<400> 34  
Ala Ser Pro Ile Asn Ala Thr  
1 5

<210> 35  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 35  
tgggcatcag gtgccaaacat tacagccgc ccctgcattcc ctaaaaagc 48

<210> 36  
<211> 24  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 36

tttactgttt tcgtaacagt tttt

24

<210> 37

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 37

gcagggggcg gctgtaatgt tggcacctga tgcccacgac actgcctg

48

<210> 38

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD\_RES

<222> (1)..(13)

<223> "Xaa" represents a variable amino acid

<400> 38

Ala Xaa Asn Xaa Thr Xaa Asn Xaa Thr Xaa Asn Xaa Thr

1

5

10

<210> 39

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD\_RES

<222> (1)..(10)

<223> "Xaa" represents a variable amino acid

<400> 39

Ala Asn Xaa Thr Asn Xaa Thr Asn Xaa Thr

1

5

10

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<210> 40
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(81)
<223> "n" represents a, t, c, g, other or unknown

<220>
<223> Description of Artificial Sequence: Primer

<400> 40
gtgtcggtgg catcaggtgc cnnsaaydns achdnsaayd nsachdnsaa ydnsachgcc 60
cgccccctgca tccctaaaag c 81

<210> 41
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 41
ggcacctgtat gcccacgaca ctgcctg 27

<210> 42
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<220>
<221> modified_base
<222> (1)..(68)
<223> "nnn" is a mixture of trinucleotide codons for all
      natural amino acid residues, except proline

<400> 42
cgtgggcattt aggtgccaac nnnnachaaaynn nnachaaaynn nachgccccgc ccctgcattcc 60
ctaaaaagc 68

<210> 43
<211> 30
<212> DNA
<213> Artificial Sequence

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<220>  
<223> Description of Artificial Sequence: Primer

<400> 43  
gttggcacct gatgccacg acactgcctg

30

<210> 44  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<220>  
<221> MOD\_RES  
<222> (4)  
<223> variable amino acid

<220>  
<221> MOD\_RES  
<222> (12)  
<223> F or L

<400> 44  
Ala Phe Asn Xaa Thr Leu Asn Lys Thr Trp Asn Xaa Thr  
1 5 10

<210> 45  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 45  
Thr Met Asn Asn Thr Trp Asn Trp Thr Trp Asn Trp Thr  
1 5 10

<210> 46  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 46  
Ala Leu Asn Ser Thr Gly Asn Leu Thr Val Asp Gly Thr  
1 5 10

<210> 47  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 47  
Ala Ser Asn Ser Thr Phe Asn Leu Thr Glu Asn Leu Thr  
1 5 10

<210> 48  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 48  
Thr Arg Asn Val Thr Ile Asn Cys Thr Asn Ser Thr  
1 5 10

<210> 49  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 49  
Ala Leu Asn Trp Thr Tyr Asn Gly Thr Lys Asn Val Thr  
1 5 10

<210> 50  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 50  
Ala Ala Asn Trp Thr Val Asn Phe Thr Gly Asn Phe Thr  
1 5 10

<210> 51  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<220>  
<221> MOD\_RES  
<222> (2)  
<223> variable amino acid

<220>  
<221> MOD\_RES  
<222> (4)  
<223> variable amino acid

<400> 51  
Ala Xaa Asn Xaa Thr Val Asn Ser Thr Asn Val Thr  
1 5 10

<210> 52  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 52  
Ala Asn Asn Phe Thr Phe Asn Gly Thr Leu Asn Leu Thr  
1 5 10

<210> 53  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 53  
Ala Gly Asn Trp Thr Ala Asn Val Thr Val Asn Val Thr  
1 5 10

<210> 54  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 54  
Ala Gly Asn Ser Thr Ser Asn Val Thr Gly Asn Trp Thr  
1 5 10

<210> 55  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 55  
Ala Val Asn Ser Thr Met Asn Ile His Ala Ile Pro Pro  
1 5 10

<210> 56  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 56  
Ala Gly Asn Gly Thr Val Asn Gly Thr Ile Asn Gly Thr  
1 5 10

<210> 57  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<220>  
<221> MOD\_RES  
<222> (8)  
<223> variable amino acid

<400> 57  
Ala Val Asn Ser Thr Gly Asn Xaa Thr Gly Asn Trp Thr  
1 5 10

<210> 58  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 58  
Ala Gly Asn Gly Thr Asn Gly Thr Ser Asn Leu Thr  
1 5 10

<210> 59  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 59  
Ala Met Asn Ser Thr Lys Asn Ser Thr Leu Asn Ile Thr  
1 5 10

<210> 60  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 60  
Ala Phe Asn Tyr Thr Ser Lys Asn Ser Thr  
1 5 10

<210> 61  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 61  
Ala Val Asn Ala Thr Met Asn Trp Thr Ala Asn Gly Thr  
1 5 10

<210> 62

<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 62  
Ala Ser Asn Ser Thr Asn Asn Gly Thr Leu Asn Ala Thr  
1 5 10

<210> 63  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 63  
Ala Arg Asn Lys Thr Lys Asn Phe Thr Ile Asn Leu Thr  
1 5 10

<210> 64  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 64  
Ala Pro Asn Ile Thr Asn Asp Thr Val Asn Met Thr  
1 5 10

<210> 65  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 65  
Ala Gln Asn Lys Thr Phe Asn Phe Thr Met Asn Cys Thr  
1 5 10

<210> 66  
<211> 13

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 66  
Ala Leu Asn Val Thr Trp Asn Cys Thr Leu Asn Leu Thr  
1 5 10

<210> 67  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 67  
Ala Leu Asn Thr Thr Trp Thr Asn Leu Thr  
1 5 10

<210> 68  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 68  
Ala Asn Thr Thr Asn Phe Thr Asn Glu Thr  
1 5 10

<210> 69  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 69  
Ala Asn Trp Thr Asn Arg Thr Asn Cys Thr  
1 5 10

<210> 70  
<211> 10  
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 70

Ala Asn Trp Thr Asn Phe Thr Asn Trp Thr

1 5 10

<210> 71

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 71

Pro Thr Gly Leu Ile Gly Thr Asn Phe Thr

1 5 10

<210> 72

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 72

Ala Asn Trp Thr Asn Lys Thr Asn Phe Thr

1 5 10

<210> 73

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 73

Ala Asn Asn Thr Asn Leu Thr Asn Ala Thr

1 5 10

<210> 74

<211> 10

<212> PRT

<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 74  
Ala Asn Tyr Thr Asn Trp Thr Asn Phe Thr  
1 5 10

<210> 75  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 75  
Ala Asn Thr Thr Asn Gln Thr Asn Asp Thr  
1 5 10

<210> 76  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 76  
Ala Asn Arg Thr Asn Trp Thr Asn Thr Thr  
1 5 10

<210> 77  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 77  
Pro Thr Ala Thr Asn His Thr Asn Ser Thr  
1 5 10

<210> 78  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 78  
Ala Asn Trp Thr Asn Gln Thr Asn Gln Thr  
1 5 10

<210> 79  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 79  
Ala Asn Trp Thr Asn Trp Thr Asn Ala Thr  
1 5 10

<210> 80  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 80  
Ala Asn Phe Thr Asn Lys Thr Asn Met Thr  
1 5 10

<210> 81  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 81  
Ala Asn His Thr Asn Glu Thr Asn Ala Thr  
1 5 10

<210> 82  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>  
<221> MOD\_RES  
<222> (3)  
<223> C or W

<400> 82  
Ala Asn Xaa Thr Asn Phe Thr Asn Glu Thr  
1 5 10

<210> 83  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 83  
Ala Asn Leu Asp Lys Leu His Lys His  
1 5

<210> 84  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 84  
Ala Asn Cys Phe Thr Asn Gln Thr Asn Phe Thr  
1 5 10

<210> 85  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 85  
Ala Asn Trp Thr Asn Trp Thr Asn Glu Trp Thr  
1 5 10

<210> 86  
<211> 10

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 86  
Ala Asn Cys Thr Asn Trp Thr Asn Cys Thr  
1 5 10

<210> 87  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 87  
Cys His Pro Tyr Asn Trp Thr Asn Trp Thr  
1 5 10

<210> 88  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 88  
Ala Asn Glu Thr Asn Tyr Thr Asn Glu Thr  
1 5 10

<210> 89  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 89  
Ala Asn Trp Thr Asn Trp Thr  
1 5

<210> 90  
<211> 10  
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 90

Ala Lys Pro Tyr Lys Ser Tyr Lys Phe Tyr  
1 5 10

<210> 91

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 91

Ala Asn Ile Thr Asn Lys Thr Asn Trp Thr  
1 5 10

<210> 92

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 92

Ala Asn Trp Thr Asn Met Thr Asn Ile Thr  
1 5 10

<210> 93

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 93

Ala Asn Asn Thr Asn Arg Thr Asn Phe Thr  
1 5 10

<210> 94

<211> 10

<212> PRT

<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 94  
Ala Asn Trp Thr Asn Trp Thr Asn Trp Thr  
1 5 10

<210> 95  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 95  
Ala Asn Trp Arg Thr Asn His Thr Asn Lys Thr  
1 5 10

<210> 96  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 96  
Ala Asn Gln Thr Asn Ile Thr Asn Trp Thr  
1 5 10

<210> 97  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 97  
Ala Asn Phe Thr Asn Val Ala Thr Asn Gln Thr  
1 5 10

<210> 98  
<211> 10  
<212> PRT  
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (1)
<223> most probable amino acid

<220>
<221> MOD_RES
<222> (2)
<223> most probable amino acid

<220>
<221> MOD_RES
<222> (5)
<223> variable amino acid

<220>
<221> MOD_RES
<222> (9)
<223> most probable amino acid

<400> 98
Ala Asn Thr Thr Xaa Leu Thr Asn Lys Thr
  1           5           10

<210> 99
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (6)
<223> S or C

<400> 99
Ala Asn Lys Thr Asn Xaa Thr Asn Ile Thr
  1           5           10

<210> 100
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
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<220>  
<221> MOD\_RES  
<222> (9)  
<223> most probable amino acid

<400> 100  
Ala Asn Trp Thr Asn Cys Thr Asn Ile Thr  
1 5 10

<210> 101  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<220>  
<221> MOD\_RES  
<222> (6)  
<223> F or L

<400> 101  
Ala Asn Trp Thr Asn Xaa Thr Asn Trp Thr  
1 5 10

<210> 102  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 102  
Cys Gln Leu Asp Arg Ser Thr Asn Glu Thr  
1 5 10

<210> 103  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 103  
Ala Asn Asn Thr Asn Tyr Thr Asn Trp Thr  
1 5 10

<210> 104  
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<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 104  
Ala Asn Asn Thr Asn Tyr Thr Asn Trp Thr  
1 5 10

<210> 105  
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<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 105  
Ala Ala Asn Asp Thr Asn Trp Thr Val Asn Cys Thr  
1 5 10

<210> 106  
<211> 13  
<212> PRT  
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<220>  
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<400> 106  
Ala Thr Asn Ile Thr Leu Asn Tyr Thr Ala Asn Thr Thr  
1 5 10

<210> 107  
<211> 13  
<212> PRT  
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<220>  
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<400> 107  
Ala Ala Asn Ser Thr Gly Asn Ile Thr Ile Asn Gly Thr  
1 5 10

<210> 108

<211> 13  
<212> PRT  
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<220>  
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<400> 108  
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1 5 10

<210> 109  
<211> 13  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 109  
Ala Ser Pro Ile Asn Ala Thr Ser Pro Ile Asn Ala Thr  
1 5 10

<210> 110  
<211> 4  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Linker

<400> 110  
Gly Gly Gly Gly  
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<210> 111  
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<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Linker

<400> 111  
Gly Asn Ala Thr

<210> 112  
<211> 8  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 112  
Asn Ser Thr Gln Asn Ala Thr Ala  
1 5

<210> 113  
<211> 14  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Synthetic peptide

<400> 113  
Ala Asn Leu Thr Val Arg Asn Leu Thr Arg Asn Val Thr Val  
1 5 10

<210> 114  
<211> 9  
<212> PRT  
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<220>  
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<221> MOD\_RES  
<222> (4)  
<223> T or S

<221> MOD\_RES  
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<400> 114  
Phe Asn Ile Xaa Val Asn Ile Xaa Val  
1 5

<210> 115  
<211> 9  
<212> PRT  
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<220>  
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<221> MOD\_RES  
<222> (4)  
<223> T or S

<221> MOD\_RES  
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<223> T or S

<400> 115  
Tyr Asn Ile Xaa Val Asn Ile Xaa Val  
1 5

<210> 116  
<211> 10  
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<220>  
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<221> MOD\_RES  
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<223> T or S

<221> MOD\_RES  
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<400> 116  
Ala Phe Asn Ile Xaa Val Asn Ile Xaa Val  
1 5 10

<210> 117  
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<212> PRT  
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<220>  
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<400> 117  
Ala Tyr Asn Ile Xaa Val Asn Ile Xaa Val  
1 5 10

<210> 118  
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<220>  
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<221> MOD\_RES

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<221> MOD\_RES  
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<400> 118  
Ala Pro Asn Asp Xaa Val Asn Ile Xaa Val  
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<210> 119  
<211> 9  
<212> PRT  
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<220>  
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<221> MOD\_RES  
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<400> 119  
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1 5

<210> 120  
<211> 7  
<212> PRT  
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<220>  
<223> Synthetic peptide

<221> MOD\_RES  
<222> (3)  
<223> T or S

<221> MOD\_RES  
<222> (7)  
<223> T or S

<400> 120  
Asn Asp Xaa Val Asn Phe Xaa  
1 5

<210> 121

<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
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<221> MOD\_RES  
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<223> T or S

<221> MOD\_RES  
<222> (7)  
<223> T or S

<400> 121  
Asn Ile Xaa Val Asn Ile Xaa Val  
1 5

<210> 122  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic peptide

<400> 122  
Ala Pro Asn Asp Thr Val Asn Phe Thr Gln Asp Cys  
1 5 10

<210> 123  
<211> 13  
<212> PRT  
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<220>  
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<400> 123  
Asn Ser Asn Ile Thr Val Asn Ile Thr Val Cys Glu Leu  
1 5 10